

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SELF ALIGNED MAGNETORESISTIVE FLUX GUIDE READ HEAD WITH EXCHANGE
BIAS UNDERNEATH FREE LAYER

the specification of which (check one)

X is attached hereto.
_____ was filed on _____
as Application Serial No. _____
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed
_____ None _____ (Number)	_____ (Country) _____	_____ (Day/Month/Year Filed) _____	_____ Yes _____ No

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

_____ None _____ (Application Serial No.)	_____ (Filing Date) _____	_____ (Status) (patented, pending, abandoned) _____
--	---------------------------	---

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the

United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Paik Saber (#37,494)
Randall J. Bluestone (#40,518)
Ron Feece (#46,327)
William D. Gill (#44,124)
Esther E. Klein (#33,409)
Robert B. Martin (#26,945)
Douglas R. Millett (#31,784)


Lewis L. Nunnelley (#42,942)
Abdy Raissinia (#38,686)
Christopher A. Hughes (#26,914)
Edward A. Pennington (#32,588)
John E. Hoel (#26,279)
Joseph C. Redmond, Jr. (#18,753)
Walter W. Duft (#31,948)

Send correspondence to:

Walter W. Duft
295 Main Street, Suite 762
Buffalo, New York 14203-2507

Direct Telephone Calls to: Walter W. Duft at 716-856-8000 (voice) and 716-856-8046 (fax)

Full name of sole or first joint-inventor: Kuok San Ho

Inventor's signature: 

Date: 07/17/2001

Residence: 5618 Stevens Creek, Apt. 239, Cupertino, CA 95014

Citizenship: China

Post Office Address: Same

Full name of second joint-inventor: Tao Pan

Inventor's signature:

Date:

Residence: 736 Dalewood Ct., San Jose, CA 95120

Citizenship: U.S.

Post Office Address: Same

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SELF ALIGNED MAGNETORESISTIVE FLUX GUIDE READ HEAD WITH EXCHANGE
BIAS UNDERNEATH FREE LAYER

the specification of which (check one)

X is attached hereto.
_____ was filed on _____
_____ as Application Serial No. _____
_____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

None
(Number)

(Country)

(Day/Month/Year Filed)

____ Yes ____ No

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56, which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

None
(Application Serial No.)

(Filing Date)

(Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the

United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Paik Saber (#37,494)
Randall J. Bluestone (#40,518)
Ron Feece (#46,327)
William D. Gill (#44,124)
Esther E. Klein (#33,409)
Robert B. Martin (#26,945)
Douglas R. Millett (#31,784)


Lewis L. Nunnelley (#42,942)
Abdy Raissinia (#38,686)
Christopher A. Hughes (#26,914)
Edward A. Pennington (#32,588)
John E. Hoel (#26,279)
Joseph C. Redmond, Jr. (#18,753)
Walter W. Duft (#31,948)

Send correspondence to:

Walter W. Duft
295 Main Street, Suite 762
Buffalo, New York 14203-2507

Direct Telephone Calls to: Walter W. Duft at 716-856-8000 (voice) and 716-856-8046 (fax)

Full name of sole or first joint-inventor: Kuok San Ho

Inventor's signature: 

Date: 07/17/2001

Residence: 5618 Stevens Creek, Apt. 239, Cupertino, CA 95014

Citizenship: China

Post Office Address: Same

Full name of second joint-inventor: Tao Pan

Inventor's signature: 

Date: 7/23/2001

Residence: 736 Dalewood Ct., San Jose, CA 95120

Citizenship: U.S.

Post Office Address: Same



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 22, 2001

PTAS



101819989A

WALTER W. DUFT
295 MAIN STREET, SUITE 762
BUFFALO, NEW YORK 14203

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/02/2001

REEL/FRAME: 012080/0571
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HO, KUOK SAN

DOC DATE: 07/17/2001

ASSIGNOR:
PAN, TAO

DOC DATE: 07/23/2001

ASSIGNEE:
INTERNATIONAL BUSINESS MACHINES
CORPORATION
NEW ORCHARD ROAD
ARMONK, NEW YORK 10504

SERIAL NUMBER: 09922446
PATENT NUMBER:

FILING DATE: 08/02/2001
ISSUE DATE:

TONYA LEE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

08-22-2001



101819989

PTO
09/19/2001

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Kuok San Ho and
Tao Pan

08/02/01

Additional name(s) of conveying party(ies) attached?
☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other - _____

Execution Date: July 17, 2001 and July 23, 2001

2. Name and address of receiving party(ies):

Name: International Business Machines Corporation

Internal Address: _____

Street Address: New Orchard Road

City: Armonk State: NY Zip: 10504

Country: USA

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

09/922446

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Walter W. Duft

Internal Address: Same as below

Street Address: 295 Main Street, Suite 762

City: Buffalo State: New York Zip: 14203

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41).....\$ 40.00
☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

09-0466

(Attached duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Walter W. Duft

Name of Person Signing

Signature

August 2, 2001

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
COMMISSIONER OF PATENTS AND TRADEMARKS, BOX ASSIGNMENTS
WASHINGTON, D.C. 20231

Whereas, we

INVENTOR
AND CITY

(1) Kuok San Ho
County of Santa Clara
and (2) Tao Pan
County of Santa Clara

of Cupertino,
and State of California,
of San Jose,
and State of California,

have invented certain improvements in

SELF ALIGNED MAGNETORESISTIVE FLUX GUIDE READ HEAD WITH EXCHANGE BIAS UNDERNEATH FREE LAYER

DATES THAT INVENTORS SIGNED THE and executed, respectively, a United States patent application therefor on (1) 07/17, 2001, and (2) _____, 2001,

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed

CITY

(1) at San Jose, CA

DATE

on 07/17/2001, 2001,



SIGNATURE
INVENTOR

CITY

and (2) at San Jose, CA

DATE

on _____, 2001,

SIGNATURE
INVENTOR

Whereas, we

INVENTOR
AND CITY

(1) Kuok San Ho
County of Santa Clara
and (2) Tao Pan
County of Santa Clara

of Cupertino,
and State of California,
of San Jose,
and State of California,

have invented certain improvements in

SELF ALIGNED MAGNETORESISTIVE FLUX GUIDE READ HEAD WITH EXCHANGE BIAS UNDERNEATH FREE LAYER

DATES THAT INVENTORS SIGNED THE and executed, respectively, a United States patent application therefor on (1) 07/17, 2001, and (2) 7/23, 2001,

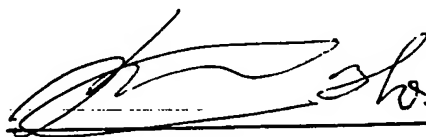
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed

CITY

(1) at San Jose, CA



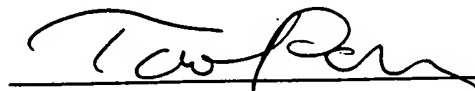
SIGNATURE
INVENTOR

DATE

on 07/17/2001, 2001,

CITY

and (2) at San Jose, CA



SIGNATURE
INVENTOR

DATE

on 7/23/, 2001,